



OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/989,481

DATE: 11/27/2001
TIME: 14:18:41

Input Set : A:\Chau, Raymond 12592-4 Sequence Listing in PatentIn 3.0.txt
Output Set: N:\CRF3\11212001\I989481.raw

ENTERED

3 <110> APPLICANT: Chau, Raymond M.W.
5 <120> TITLE OF INVENTION: Isolation and Use of Motoneurontropic Factors
7 <130> FILE REFERENCE: 12592-4
C--> 9 <140> CURRENT APPLICATION NUMBER: US/09/989,481
10 <141> CURRENT FILING DATE: 2001-11-20
12 <150> PRIOR APPLICATION NUMBER: US 09/633,447
13 <151> PRIOR FILING DATE: 2000-08-07
15 <150> PRIOR APPLICATION NUMBER: US 08/9928862
16 <151> PRIOR FILING DATE: 1997-09-12
18 <150> PRIOR APPLICATION NUMBER: US 08/751225
19 <151> PRIOR FILING DATE: 1996-11-15
21 <150> PRIOR APPLICATION NUMBER: US 60/026792
22 <151> PRIOR FILING DATE: 1996-09-27
24 <160> NUMBER OF SEQ ID NOS: 5
26 <170> SOFTWARE: PatentIn version 3.0
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29 <211> LENGTH: 1443
30 <212> TYPE: DNA
31 <213> ORGANISM: Homo Sapiens
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38 gacaccttg gtgacattaa ttaccaagaa tttgc当地aaa gactctgggg tgacatctac 180
40 ttcaacccta agacgc当地aa gttcaccaaa aaggccccaa ctagcagctc ccagagaagt 240
42 ttctgtggagt ttatcttgg gctctttat aagatctcg cccaggttgc aggtgacgtg 300
44 gacaccagcc tcccacggac cctagacgag cttggcatcc acctgacgaa ggaggagctg 360
46 aagctgaaca tccgccc当地t gtcaggctg gtctgcaaaa agttcttgg cgagttcaca 420
48 ggcttggatg acatgtgtgt gcagcatatc ccttctccaa aggtgggccc caagccccaa 480
50 attgagcaca cctacaccgg tggatggac tccgacactcg gcaagatgt gaggactgt 540
52 gaccctgat gccc当地t gtc当地act actaagatgt tc当地cacaca tgatggagtc 600
54 cagttcacc ccttggccg ggtgctgat ggc当地tcc atgctggca gcctgtgaag 660
56 gttctggggg agaactacac cttggaggat gaggaagact ccccaatttgc cccctggc 720
58 cgc当地tgg gtc当地tggc cagctaccac atcgaggatg accgtgttcc tgctggcaac 780
60 tggatgttgc ttgaaggatg tgc当地taccat attgtgaa cagcaaccat aaccgaacc 840
62 cgaggcaatg aggaggctca gatccctcg cccttgc当地t tcaataccac atctgttac 900
64 aagattgtg tggagccatg caaccctca gagctccccca agatgttgc tggctggc 960
66 aaggtcaaca agagctatcc atccctcacc accaaggatgg aggaggctgg cgagcatgtg 1020
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70 tcagagatag acatcaaggt ggctgaccca gttgtcacgt tttgtgagac ggtctggaa 1140
72 acatccccc tcaagtgttgc tggatggac ccttataaga agaacaagat caccatgatt 1200
74 gctgaggcctc ttgagaaggc cctggcagag gacatagaga atgaggatgg ccagattacg 1260
76 tggaaacagga agaagctggg agagttcttcc cagaccaagt acgattggaa tctgtggct 1320
78 gccc当地tcc tctggctt tggccctgat ggc当地tggcc ccaacatttgc ggtggatgat 1380
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82 ggt 1443
85 <210> SEQ ID NO: 2
86 <211> LENGTH: 927

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88 <213> ORGANISM: Homo Sapiens
90 <400> SEQUENCE: 2
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95 tattaatagc agcctcccat acacactttt gacacccttc cctaaaggat taatatgctc 180
97 caacccctt gtcacccacag ttcatgtggct ctcccttaccc tcaccatgtat cggtgaaaa 240
99 aaaataaggt ttcatgtt aagagtggaa ttcttggatc caactacaag ctcataactg 300
101 tagcatggaa cctggtagta gcataataaa taaatttta gtaagaggt taagaaattt 360
103 tagcaaaaaaa agcaactccct ttcttcctcc ctacatatct catatgtttt tcaacacaaa 420
105 aaattctgtg attttagaga aacttcttac agtactttt agttcaaaac cagatgtca 480
107 ttacagttct tttaaacacc aaactagtca tctcaaaaat atggcttaact ctctggacta 540
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111 caagcaatca tgcctgtctt ctcactcagg gcagagtct caggtcagaa gctccggagt 660
113 ctgtcagaga ttaaaatatc atctcaacaa ttcaacagct acttcttaatgtt gttaccctaa 720
115 attagtcact aatcggttct cccccaactc tatttcacaa attaaaggat acagaattga 780
117 caaaaaccaa accaatgaaa caacccaggg tatttgagg gggggggaaa gagatacccc 840
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129 <400> SEQUENCE: 3
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134 Gly Asn Val Cys Phe Ser Ser Ser Gln Tyr Ser Ile Cys Phe Thr Leu
135 20 25 30
137 Gly Ser Phe Ala Lys Ile Tyr Ala Asp Thr Phe Gly Asp Ile Asn Tyr
138 35 40 45
140 Gln Glu Phe Ala Lys Arg Leu Trp Gly Asp Ile Tyr Phe Asn Pro Lys
141 50 55 60
143 Thr Arg Lys Phe Thr Lys Lys Ala Pro Thr Ser Ser Ser Gln Arg Ser
144 65 70 75 80
146 Phe Val Glu Phe Ile Leu Glu Pro Leu Tyr Lys Ile Leu Ala Gln Val
147 85 90 95
149 Val Gly Asp Val Asp Thr Ser Leu Pro Arg Thr Leu Asp Glu Leu Gly
150 100 105 110
152 Ile His Leu Thr Lys Glu Glu Leu Lys Leu Asn Ile Arg Pro Leu Leu
153 115 120 125
155 Arg Leu Val Cys Lys Lys Phe Phe Gly Glu Phe Thr Gly Phe Val Asp
156 130 135 140
158 Met Cys Val Gln His Ile Pro Ser Pro Lys Val Gly Ala Lys Pro Lys
159 145 150 155 160
161 Ile Glu His Thr Tyr Thr Gly Gly Val Asp Ser Asp Leu Gly Glu Ala
162 165 170 175
164 Met Ser Asp Cys Asp Pro Asp Gly Pro Leu Met Cys His Thr Thr Lys
165 180 185 190
167 Met Phe Ser Thr His Asp Gly Val Gln Phe His Pro Phe Gly Arg Val

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168	195	200	205
170	Leu Ser Gly Thr Ile His Ala Gly Gln Pro Val Lys Val Leu Gly Glu		
171	210	215	220
173	Asn Tyr Thr Leu Glu Asp Glu Glu Asp Ser Gln Ile Cys Thr Val Gly		
174	225	230	235
176	240		
177	Arg Leu Trp Ile Ser Val Ala Arg Tyr His Ile Glu Val Asn Arg Val		
178	245	250	255
179	Pro Ala Gly Asn Trp Val Leu Ile Glu Gly Val Asp Gln Pro Ile Val		
180	260	265	270
182	Lys Thr Ala Thr Ile Thr Glu Pro Arg Gly Asn Glu Glu Ala Gln Ile		
183	275	280	285
185	Phe Arg Pro Leu Lys Phe Asn Thr Thr Ser Val Ile Lys Ile Ala Val		
186	290	295	300
188	Glu Pro Val Asn Pro Ser Glu Leu Pro Lys Met Leu Asp Gly Leu Arg		
189	305	310	315
190	320		
191	Lys Val Asn Lys Ser Tyr Pro Ser Leu Thr Thr Lys Val Glu Glu Ser		
192	325	330	335
194	Gly Glu His Val Ile Leu Gly Thr Gly Glu Leu Tyr Leu Asp Cys Val		
195	340	345	350
197	Met His Asp Leu Arg Lys Met Tyr Ser Glu Ile Asp Ile Lys Val Ala		
198	355	360	365
200	Asp Pro Val Val Thr Phe Cys Glu Thr Val Val Glu Thr Ser Ser Leu		
201	370	375	380
203	Lys Cys Phe Ala Glu Thr Pro Asn Lys Lys Asn Lys Ile Thr Met Ile		
204	385	390	395
205	400		
206	Ala Glu Pro Leu Glu Lys Gly Leu Ala Glu Asp Ile Glu Asn Glu Val		
207	405	410	415
209	Val Gln Ile Thr Trp Asn Arg Lys Lys Leu Gly Glu Phe Phe Gln Thr		
210	420	425	430
212	Lys Tyr Asp Trp Asp Leu Leu Ala Ala Arg Ser Ile Trp Ala Phe Gly		
213	435	440	445
215	Pro Asp Ala Thr Gly Pro Asn Ile Leu Val Asp Asp Thr Leu Pro Ser		
216	450	455	460
218	Glu Val Asp Lys Ala Leu Leu Gly Ser Val Lys Asp Ser Ile Val Gln		
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221	Gly		
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241	<211> LENGTH: 99		
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243 <213> ORGANISM: Homo Sapiens

245 <400> SEQUENCE: 5

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VERIFICATION SUMMARY

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Input Set : A:\Chau, Raymond 12592-4 Sequence Listing in PatentIn 3.0.txt
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L:9 M:270 C: Current Application Number differs, Replaced Current Application Number